

AMENDMENTS TO THE CLAIMS

1. (CURRENTLY AMENDED) A networked health-monitoring system comprising:

a plurality of remote patient sites, each remote patient site associated with a respective patient and including a respective patient device comprising (i) at least one display, (ii) a data management unit configured to facilitate collection of patient health-related data, (iii) a memory, and (iv) stored program instructions for collecting said health-related data of said respective patient and generating health-monitoring related information on the at least one display of the respective patient device; and

at least one central server connectable for communication with the respective patient device at each of the remote patient sites, wherein (i) each of the data management units is configured to establish a respective communication link with the central server to enter a communications mode, (ii) the central server is configured to send the stored program instructions to the remote patient sites of the particular patients in response to establishing the respective communication link, and (iii) the stored program instructions are received by the respective patient device from the at least one central server and when executed allow the respective patient at a respective remote patient site to

control presentation of the health-monitoring related information
to the respective patient on the at least one display of the
25 respective patient device.

2. (PREVIOUSLY PRESENTED) The system of claim 1,
wherein the stored program instructions are further configured to
allow the respective patient to control presentation of health-
monitoring related information using at least one menu.

3. (PREVIOUSLY PRESENTED) The system of claim 2,
wherein the at least one menu allows a patient to select any one
operational mode from the set consisting of:

a display mode for displaying relevant information;
5 an input mode for providing information; and
a communications mode for establishing a link with the
central server.

4. (PREVIOUSLY PRESENTED) The system of claim 3,
further comprising at least one health-monitoring device configured
to monitor at least one patient health condition at at least one
remote patient site and to communicate data related to the
5 monitored condition to the central server.

5. (PREVIOUSLY PRESENTED) The system of claim 4, wherein the at least one menu allows a patient to select a monitoring mode in which the at least one health-monitoring device is used.

6. (PREVIOUSLY PRESENTED) The system of claim 3, wherein the at least one menu allows a patient to display messages or instructions from a health care professional.

7. (PREVIOUSLY PRESENTED) The system of claim 3, wherein the system is configured to enable the respective patient to respond to information on the display by using a cursor or other indicator positioned at a selected item.

8. (PREVIOUSLY PRESENTED) The system of claim 4, wherein the at least one health-monitoring device comprises one or more devices selected from the set consisting of:

- a blood glucose monitor;
- a peak flow meter;
- a blood pressure monitor;
- a pulse monitor; and
- a body temperature monitor.

9. (PREVIOUSLY PRESENTED) The system of claim 4, wherein the patient device facilitates collection of health-related data by receiving data related to the monitored condition from the at least one health-monitoring device.

10. (PREVIOUSLY PRESENTED) The system of claim 1, wherein the patient device is configured to facilitate collection of health-related data entered by the respective patient at the associated remote patient site using buttons, keys or switches.

11. (PREVIOUSLY PRESENTED) The system of claim 10, wherein the respective patient device at the remote patient site is physically separate from the display.

12. (PREVIOUSLY PRESENTED) The system of claim 4, wherein the memory and the display are in the at least one health-monitoring device.

13. (ORIGINAL) The system of claim 12, wherein the display is in a handheld device.

14. (ORIGINAL) The system of claim 13, wherein the handheld device is capable of displaying pictorial health-monitoring related information.

15. (ORIGINAL) The system of claim 14, wherein the handheld device is capable of displaying animated health-monitoring related information.

16. (PREVIOUSLY PRESENTED) The system of claim 1, wherein the memory comprises a program cartridge.

17. (PREVIOUSLY PRESENTED) The system of claim 1, wherein the remote patient sites further include at least one personal computer connected to the patient device.

18. (PREVIOUSLY PRESENTED) The system of claim 1, wherein the system produces reports based on collected patient health-related data.

19. (ORIGINAL) The system of claim 18, wherein the reports are standardized.

20. (PREVIOUSLY PRESENTED) The system of claim 19, further configured to provide at least one health care professional, remotely located from the remote patient sites, with reports based on the patient health-related data collected at the remote patient sites.

21. (ORIGINAL) The system of claim 19, wherein the system is configured to allow a health care professional to select which of a plurality of standardized reports is produced.

22. (ORIGINAL) The system of claim 18, wherein the reports use graphs and/or icons.

23. (ORIGINAL) The system of claim 18, wherein the reports can be generated periodically.

24. (ORIGINAL) The system of claim 18, wherein the server can generate the report.

25. (PREVIOUSLY PRESENTED) The system of claim 18, wherein the system can also display at least one report on the display at each remote patient site.

26. (ORIGINAL) The system of claim 18, wherein the system can display statistical and/or trend information.

27. (PREVIOUSLY PRESENTED) The system of claim 26, wherein the system can display statistical or trend information to the respective patient.

28. (ORIGINAL) The system of claim 18, wherein the report includes information data for a period of time.

29. (PREVIOUSLY PRESENTED) The system of claim 1, wherein the system is configured to transmit at least one message to at least one remote patient site for display to the associated respective patient on at least one display.

30. (ORIGINAL) The system of claim 29, wherein the message includes step-by-step instructions.

31. (ORIGINAL) The system of claim 29, wherein the message includes results of a test.

32. (ORIGINAL) The system of claim 29, wherein the message includes diagnostic information indicating whether a test has proceeded in a normal fashion.

33. (ORIGINAL) The system of claim 29, wherein the message is a multi-line message.

34. (ORIGINAL) The system of claim 29, wherein the message is a health care professional selected message.

35. (ORIGINAL) The system of claim 34, wherein the healthcare professional generates the selected message.

36. (ORIGINAL) The system of claim 29, wherein the message is educational or motivational.

37. (PREVIOUSLY PRESENTED) The system of claim 29, wherein the system is configured to transmit the message to a specific patient.

38. (PREVIOUSLY PRESENTED) The system of claim 37, wherein the system is configured to transmit the message automatically to the specific patient.

39. (PREVIOUSLY PRESENTED) The system of claim 37, wherein the system is configured to transmit the message to the specific patient when the specific patient chooses.

40. (PREVIOUSLY PRESENTED) The system of claim 39, wherein the message can be stored before being transmitted to the specific patient.

41. (PREVIOUSLY PRESENTED) The system of claim 1, wherein the system is configured to transmit programs, over a

communication link, for storage in the memory and execution at the remote patient site.

42. (ORIGINAL) The system of claim 1, wherein the patient can indicate user experienced symptoms to the system.

43. (ORIGINAL) The system of claim 1, wherein the system can capture quantitative measurements.

44. (ORIGINAL) The system of claim 43, wherein the system can capture medication data.

45. (ORIGINAL) The system of claim 1, wherein the collected patient health-related data includes time data.

46. (PREVIOUSLY PRESENTED) The system of claim 24, wherein a healthcare professional computer receives the report after transmitting an authorization code to the server that identifies an associated healthcare professional as an authorized user.

47. (CURRENTLY AMENDED) A method of collecting and processing patient health-related data, comprising:

associating each of a plurality of remote patient sites with a respective patient, wherein each of the remote patient sites includes a respective patient device configured to facilitate collection of patient health-related data from the respective patient;

using program instructions, received from at least one central server connectable for communication with the respective patient device and stored in a memory of the respective patient device, to generate health-monitoring related information on at least one display of the respective patient device at the respective remote patient site;

collecting patient-health related data at the respective remote patient site through execution of the stored program instructions;

connecting said at least one central server for communication with the respective patient device at the respective remote patient site to communicate said program instructions to said respective patient device in a first mode and to communicate said patient-health related data to said at least one central server in a second mode (i) each of the data management units is configured to establish a respective communication link with the central server to enter said first mode as a communications mode,
(ii) the central server is configured to send the stored program instructions to the remote patient sites of the particular patients

in response to establishing the respective communication link, and
(iii); and

30 allowing the respective patient at the respective remote
patient site to control presentation of health-monitoring related
information to the respective patient on the at least one display
of the respective patient device at the respective remote patient
site through execution of the stored program instructions.

48. (PREVIOUSLY PRESENTED) The method of claim 47,
wherein the stored program instructions are further configured to
allow the respective patient to control presentation of health-
monitoring related information using at least one menu.

49. (PREVIOUSLY PRESENTED) The method of claim 48,
wherein the at least one menu allows a patient to select any one
operational mode from the set consisting of:

a display mode for displaying relevant information;

5 an input mode for providing information; and

a communications mode for establishing a link with the
central server.

50. (PREVIOUSLY PRESENTED) The method of claim 49,
further comprising using at least one health-monitoring device to
monitor at least one patient health condition at at least one

remote patient site and to communicate data related to the
monitored condition to the central server.

51. (PREVIOUSLY PRESENTED) The method of claim 50,
wherein the at least one menu allows the respective patient to
select a monitoring mode in which the at least one health-
monitoring device is used.

52. (PREVIOUSLY PRESENTED) The method of claim 49,
wherein the at least one menu allows the respective patient to
display messages or instructions from a health care professional.

53. (PREVIOUSLY PRESENTED) The method of claim 49,
wherein the respective patient responds to information on the
display by using a cursor or other indicator positioned at a
selected item.

54. (PREVIOUSLY PRESENTED) The method of claim 50,
wherein the at least one health-monitoring device includes one or
more devices from the set consisting of:

- a blood glucose monitor;
- a peak flow meter;
- a blood pressure monitor;

a pulse monitor; and
a body temperature monitor.

55. (PREVIOUSLY PRESENTED) The method of claim 50, wherein the patient device facilitates collection of health-related data by receiving data related to the monitored condition from the at least one health-monitoring device.

56. (PREVIOUSLY PRESENTED) The method of claim 47, wherein the patient device is configured to facilitate collection of health-related data entered by the respective patient at the remote patient site using buttons, keys or switches.

57. (PREVIOUSLY PRESENTED) The method of claim 56, wherein the respective patient device at the remote patient site is physically separate from the at least one display.

58. (PREVIOUSLY PRESENTED) The method of claim 50, wherein the memory and the display are in the at least one health-monitoring device.

59. (ORIGINAL) The method of claim 58, wherein the display is in a handheld device.

60. (ORIGINAL) The method of claim 59, further comprising displaying pictorial health-monitoring related information on the handheld display.

61. (ORIGINAL) The method of claim 60, further comprising displaying animated health-monitoring related information on the handheld display.

62. (PREVIOUSLY PRESENTED) The method of claim 59, wherein the memory comprises a program cartridge.

63. (PREVIOUSLY PRESENTED) The method of claim 47, further comprising connecting at least one personal computer at the remote patient site to the respective patient device.

64. (PREVIOUSLY PRESENTED) The method of claim 46, further comprising generating at least one report based on collected patient health-related data.

65. (ORIGINAL) The method of claim 64, wherein the report is standardized.

66. (PREVIOUSLY PRESENTED) The method of claim 65, further comprising providing at least one health care professional,

remotely located from the remote patient sites, with reports based on the patient health-related data collected at the remote patient sites.

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67. (ORIGINAL) The method of claim 65, further comprising allowing a health care professional to select which of a plurality of standardized reports is produced.

68. (ORIGINAL) The method of claim 64, wherein the report uses graphs and/or icons.

69. (ORIGINAL) The method of claim 64, wherein the report is generated periodically.

70. (PREVIOUSLY PRESENTED) The method of claim 64, further comprising displaying at least one report on the at least one display at the remote patient site.

71. (ORIGINAL) The method of claim 64, further comprising displaying statistical and/or trend information.

72. (ORIGINAL) The method of claim 71, further comprising displaying statistical or trend information to the patient.

73. (ORIGINAL) The method of claim 64, wherein the report includes information data for a period of time.

74. (PREVIOUSLY PRESENTED) The method of claim 47, further comprising transmitting at least one message to at least one remote patient site for display to the respective patient on the at least one display.

75. (ORIGINAL) The method of claim 74, wherein the message includes step-by-step instructions.

76. (ORIGINAL) The method of claim 74, wherein the message includes results of a test.

77. (ORIGINAL) The method of claim 74, wherein the message includes diagnostic information indicating whether a test has proceeded in a normal fashion.

78. (ORIGINAL) The method of claim 74, wherein the message is a multi-line message.

79. (ORIGINAL) The method of claim 74, wherein the message is a health care professional selected message.

80. (ORIGINAL) The method of claim 79, wherein the healthcare professional generates the selected message.

81. (ORIGINAL) The method of claim 74, wherein the message is educational or motivational.

82. (ORIGINAL) The method of claim 74, further comprising transmitting the message to a specific patient.

83. (PREVIOUSLY PRESENTED) The method of claim 82, further comprising transmitting the message automatically to the specific patient.

84. (PREVIOUSLY PRESENTED) The method of claim 82, further comprising transmitting the message to the specific patient when the specific patient chooses.

85. (PREVIOUSLY PRESENTED) The method of claim 84, further comprising storing the message before transmitting the message to the specific patient.

86. (PREVIOUSLY PRESENTED) The method of claim 47, further comprising providing programs from the server to each of

the remote patient sites, storing the programs in the memory and executing the programs at the remote patient sites.

87. (PREVIOUSLY PRESENTED) The method of claim 47, wherein the respective patient indicates user experienced symptoms to the system.

88. (ORIGINAL) The method of claim 47, further comprising capturing quantitative measurements.

89. (ORIGINAL) The method of claim 88, further comprising capturing medication data.

90. (ORIGINAL) The method of claim 47, wherein the collected patient health-related data includes time data.

91. (PREVIOUSLY PRESENTED) The method of claim 64, wherein a healthcare professional computer receives the report after transmitting an authorization code to the server that identifies an associated healthcare professional as an authorized user.

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92. (CURRENTLY AMENDED) A system for collecting and processing patient health-related data, comprising:

a plurality of remote patient sites, each site associated with a respective patient and including a respective patient device comprising (i) at least one display means, (ii) a data management means for facilitating collection of patient health-related data, (iii) a memory means, and (iv) stored program instructions for collecting said health-related data of said respective patient and generating health-monitoring related information on the at least one display means of the respective patient device;

at least one central server means connectable for communication with the respective patient device at each remote patient site, wherein (i) each of the data management units is configured to establish a respective communication link with the central server to enter a communications mode, (ii) the central server is configured to send the stored program instructions to the remote patient sites of the particular patients in response to establishing the respective communication link, and (iii) the stored program instructions are communicated from the central server means to the respective patient device; and

means for allowing each respective patient at each respective remote patient site to control presentation of health-monitoring related information on the at least one display of the respective patient device through execution of the stored program instructions.